Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) An electric-component mounting ~~system characterized by~~ system, comprising:

a component-holding device arranged to hold an electric component;

a board-supporting device arranged to support a printed-wiring board on which the electric component is mounted;

a first relative-movement device operable to move said component-holding device and said board-supporting device relative to each other in a first direction parallel to a surface of the printed-wiring board supported by the board-supporting device;

a second relative-movement device operable to move said component-holding device and said board-supporting device relative to each other in a second direction which intersects said surface of the printed-wiring board supported by the board-supporting device; and

a control device including a positioning portion operable to select one of a plurality of different ~~control targets~~ positioning error values which is used to compensate positioning data used for said first relative-movement device to establish a predetermined relative position between said component-holding device and said board-supporting device, such that said positioning data are compensated for said selected one of said plurality of different positioning error values, said positioning portion selecting said one of said plurality of different ~~control targets,~~ positioning error values, depending upon a ~~pattern~~ selected one of different patterns of control of an operating speed of said first relative-movement device.

2. (Original) An electric-component mounting system according to claim 1, wherein said first relative-movement device includes an XY robot operable to move said

component-holding device in an XY plane defined by mutually perpendicular X and Y axes and parallel to said surface of said printed-wiring board supported by said board-supporting device.

3. (Original) An electric-component mounting system according to claim 1, wherein said first relative-movement device includes:

a turning device holding a plurality of component-holding members of said component-holding device and operable to turn said component-holding members about a common axis of turning, for successively moving said component-holding members to a predetermined component-mounting position; and

a board-positioning device operable to move said board-holding device in said first direction, for bringing a selected position on said printed-wiring board into alignment with said component-mounting position in a plane parallel to said surface of the printed-wiring board supported by said board-supporting device.

4. (Original) An electric-component mounting system comprising:

a component supply device operable to supply electric components;

a plurality of component-holding members each arranged to hold the electric component supplied from said component supply device;

a turning device holding said plurality of component-holding members and operable to turn said component-holding members about a common axis of turning, for successively moving said component-holding members to a predetermined component-mounting position;

a board-supporting/positioning device arranged to support a printed-wiring board on which said electric components are to be mounted, and operable to move said printed-wiring board in a plane parallel to a surface of the printed-wiring board, for bringing a

selected position on said printed-wiring board into alignment with said component-mounting position in said plane; and

a control device including a positioning portion operable to select one of a plurality of different control targets which is used for said board-supporting/positioning device to move said selected position on said printed-wiring board to said component-mounting position, said positioning portion selecting said one of said plurality of different control targets, depending upon a pattern of control of a speed of a turning movement of each of said component-holding members to said component-mounting position by said turning device.

5. (Original) An electric-component mounting system according to claim 4, wherein said turning device includes an indexing body intermittently rotatable about said common axis of turning, and said positioning portion of said control device selects said one of said plurality of different control targets according to at least one of a maximal value of a rotating speed of said indexing body and a deceleration value of said indexing body.

6. (Original) An electric-component mounting system according to claim 5, wherein at least one of said maximal value of the rotating speed and deceleration value of said indexing body is variable in a predetermined first number (integer N ³ 2) of steps, while said positioning portion is operable to change the control target used to move said selected position, in a predetermined second number (integer M) of steps which is not larger than said predetermined first number.

7. (Original) An electric-component mounting system according to claim 6, wherein said predetermined second number (M) is smaller than said predetermined first number (N).

8. (Original) An electric-component mounting system according to claim 4, wherein said control device includes memory means for storing said plurality of different

control targets in relation to respective different patterns of control of a speed at which each of said component-holding members is turned by said turning device about said common axis of turning.

9. (Canceled)

10. (Original) An electric-component mounting system according to claim 4, wherein said control device further includes control-target determining portion operable to determine said plurality of different control targets which are selectively used to move said selected position on said printed-wiring board to said component-mounting position.

11. (Currently Amended) An electric-component mounting ~~system according to claim 9,~~ system, comprising:

a component-holding device arranged to hold an electric component;

a board-supporting device arranged to support a printed-wiring board on which the electric component is mounted;

a first relative-movement device operable to move said component-holding device and said board-supporting device relative to each other in a first direction parallel to a surface of the printed-wiring board supported by the board-supporting device;

a second relative-movement device operable to move said component-holding device and said board-supporting device relative to each other in a second direction which intersects said surface of the printed-wiring board supported by the board-supporting device; and

a control device including a positioning portion operable to select one of a plurality of different control targets which is used for said first relative-movement device to establish a predetermined relative position between said component-holding device and said board-supporting device, said positioning portion selecting said one of said plurality of

different control targets, depending upon a pattern of control of an operating speed of said first relative-movement device,

and wherein said control device further includes a control-target determining portion which includes:

speed-control-pattern changing means for selecting one of a plurality of different patterns of control of a moving speed of said component-holding device;

test-chip mounting control means for operating said component-holding device to hold said test chips, moving said component-holding device in each of said plurality of different patterns of control of said moving speed, and operating said component-holding device to mount said test chips at respective test-chip mounting positions on said printed-wiring board;

an image-taking device operable to take images of said test chips as mounted on said printed-wiring board by said test-chip mounting control means;

data processing means for processing image data representative of said images of said test chips, to obtain an amount and a direction of a positioning error of each of said test chips with respect to said test-chip mounting positions; and

control-target determining means for determining said plurality of different control targets, on the basis of the amounts and directions of the positioning errors of said test chips obtained by said data processing means.

12. (Original) An electric-component mounting system according to claim 10, wherein said control-target determining portion includes:

speed-control-pattern changing means for selecting one of a plurality of different patterns of control of the speed of the turning movement of said component-holding members;

test-chip mounting control means for operating said component-holding members to hold said test chips, moving said component-holding members in each of said plurality of different patterns of control of said turning speed, and operating said component-holding members to mount said test chips at respective test-chip mounting positions on said printed-wiring board;

an image-taking device operable to take images of said test chips as mounted on said printed-wiring board by said test-chip mounting control means;

data processing means for processing image data representative of said images of said test chips, to obtain an amount and a direction of a positioning error of each of said test chips with respect to said test-chip mounting positions; and

control-target determining means for determining said plurality of different control targets, on the basis of the amounts and directions of the positioning errors of said test chips obtained by said data processing means.

13-14. (Canceled)

15. (New) An electric-component mounting system according to claim 1, wherein said control device further includes a memory which stores said plurality of different positioning error values, in relation to said plurality of different patterns of control of the operating speed of said first relative-movement device, respectively.

16. (New)) An electric-component mounting system according to claim 1, wherein said control device further includes a positioning-error obtaining portion operable to obtain said plurality of different positioning error values, by experimentation conducted under said plurality of different patterns of control of the operating speed of said first relative-movement device, respectively.

17. (New) An electric-component mounting system according to claim 1, wherein said positioning portion selects said one of said plurality of different positioning error values

depending upon a selected one of a plurality of different patterns of control of a speed of movement of said component-holding device by said first relative-movement device relative to said board-supporting device.

18. (New) An electric-component mounting system according to claim 1, wherein said positioning portion further includes a pattern selecting portion operable to select said one of said plurality of different patterns of control of the operating speed of said first relative-movement device, on the basis of the electric component held by said component-holding device.